PB82-106873

Directory of Information for Dynamometer Testing of 1979-1981 Light Duty Motor Vehicles

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Ann Arbor, MI

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16. ABSTRACT

This report contains information for use in dynamometer testing of 1979 through 1981 model year light duty vehicles. The information was originally compiled for use in Emission Factor programs which are conducted by the Test and Evaluation Branch of the Emission Control Technology Division. Emission Factor programs involve testing of large numbers of in-use light-duty trucks and passenger cars at various locations throughout the country. An EPA report "Index to Emission Factor Testing Programs", EPA-AA-TEB-81-3, contains more information about these programs.

The information contained in this document can be used by EPA, independent laboratories, and others who conduct emission tests on passenger cars and light-duty trucks for purposes other than certification. The primary purpose is for laboratories who test vehicles in Emission Factor programs and for evaluation of retrofit devices, including fuel additives, oils and oil additives.

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August 1981

Test and Evaluation Branch
Emission Control Technology Division
Office of Mobile Source Air Pollution Control
U.S. Environmental Protection Agency

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Directory of Information for Dynamometer Testing of Light Duty Motor Vehicles

Introduction

This report contains information for use in dynamometer testing of 1979 through 1981 model year light duty vehicles. The information was originally compiled for use in Emission Factor programs which are conducted by the Test and Evaluation Branch of the Emission Control Technology Division. Emission Factor programs involve testing of large numbers of in-use light-duty trucks and passenger cars at various locations throughout the country. An EPA report "Index to Emission Factor Testing Programs", EPA-AA-TEB-81-3, contains more information about these programs.

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Information Provided

Dynamometer Settings - Once the vehicle arrives for testing, the laboratory personnel may obtain the necessary information from the vehicle itself (year, make, model, CID, VIN) to use the various references. The data on inertia weights and road load horsepower settings were derived from EPA Certification files. In some instances, these were provided by the vehicle manufacturers. Dynamometer settings for 1979 through 1981 model year vehicles are included in this report. The first of the 1982 model year vehicles are also included. The settings generally reflect the most popular option combinations. Minor model-to-model variations are considered insignificant. This information is listed in Appendix A.

Fuel Economy Information - The estimated fuel economy for vehicles of various makes and model years can be obtained from EPA's Gas Mileage Guide. However, the information in recent editions of this pamphlet is based on only the Federal Test Procedure. Complete FTP (city) and HFET (highway) data on every vehicle tested by EPA is published in the Federal Register each year. A copy of this test vehicle list is available from the Director of EPA's Certification Division, 2565 Plymouth Road, Ann Arbor, Michigan 48105.

Starting Procedures and Shift Points - The starting procedures and shift points may be obtained from the owner's manual for each individual vehicle. The user is encouraged to copy appropriate pages of these manuals and maintain a file for future testing.

Engine Family Identification - The identification of each engine is contained on a label in the engine compartment. The designation defines a precise combination of basic engine characteristics and emission related components. Beginning with the 1982 model year, this

identification will be in a format which is uniform among manufacturers. Almost all companies (except GM and Ford) chose to convert to this system with the 1981 models. Appendix B contains decoders for 1980 and 1981 models. Basically, this listing contains only enough information to identify engine size and type of catalyst. More complete specifications are contained in the Certificate of Conformity issued to the manufacturer. Copies of these certificates are maintained by EPA's Certification Division.

VIN Decoders - The Vehicle Identification Number (VIN) contains useful information related to model year, body style, engine size, etc. The VIN on late model cars is on a plate on the driver's side of the dashboard. It is visible through the windshield. The National Automotive Theft Bureau annually publishes a "Passenger Vehicle Identification Manual". This reference is very useful in deciphering VIN's. Manuals for individual model years are available for two dollars, postage paid, from: Station Distributing House, P.O. Box 267, Port Jefferson Station, NY 11776. Figure 1 is a sample page from this manual.

Tire Information - The "1981 Tire Guide" is available from Tire Guide, Box 677, Syosset, NY 11791. This guide contains complete tire and rim specifications for late model passenger cars, light trucks and motorcycles. This reference may be used to determine if the vehicle is equipped with original equipment tires. Figure 2 is a sample page from this guide.

Questions and Comments

This document will be updated annually to include dynamometer settings and other information on the latest vehicles. Questions, comments and suggestions for improvements should be directed to John Shelton at EPA's Motor Vehicle Emission Laboratory, 2565 Plymouth Road, Ann Arbor, MI 48105. The telephone number is (313) 668-4200.

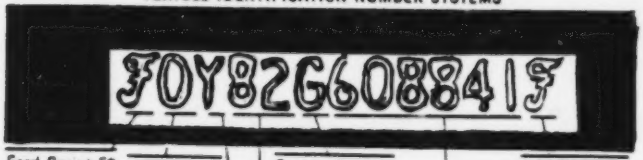
Figure 1

LINCOLN (USA)

VEHICLE IDENTIFICATION NUMBER LOCATIONS

1980-1976—VIN Stamped on Metal Tab Riveted to Instrument Panel, Left Hand Side, Visible through Windshield. **CAUTION** — Patent Plate Riveted to Left Front Door Hinge Pillar Post Facing, or to the Door on earlier models, may not necessarily Show True **VIN**; Should Not be Used to Effect Identification.

VEHICLE IDENTIFICATION NUMBER SYSTEMS



Ford Script F* | Model Year 0—1980 9—1979 | Assembly Plant Symbol | Series & Body Style Symbols | Engine Symbol | Sequential Production Number starting at each plant with: 600001 through 999999. | Ford Script F*

S — Allen Park (Pilot) — All
W — Wayne, Mich. — Versailles Y — Wixom, Mich. — Lincoln, Mark VI

*Script letters F precede and follow the 11 (alpha-numeric) character VIN but are not part of the VIN.

Series and Body Style	Symbols and Years Applicable 1980	1979	1978	1977	1976
CONTINENTAL					
Sedan/HT 4 Dr.	82	82	82	82	82
HT 2 Dr.	81	81	81	81	81
MARK IV & V & VI					
HT 2 Dr.	89	89	89	89	89
HT 4 Dr.	90	—	—	—	—
VERSAILLES	84	84	84	—	—

Engine Description	Symbol & Year Applicable 1980-1976				
8-460 4V	—	—	A	A	A
8-302 2V	F	F	F	—	—
8-351 2V	G	—	—	H	—
8-400 2V	—	S	S	S	—
8-400 4V	—	—	—	F	—

LOTUS (England)

Principal Plant: Norwich, England

VIN plate attached on top edge of instrument panel near windshield. — On left door inner edge or on door vertical still. **VIN System:** (6 digit sequential followed by suffix.)

752133 R

Sequential Serial — **Model Designator**
Note: J & K - Elan
N - Plus Two
R - Europa

LOTUS ELITE (England)

Principal Plant: Norwich, England

VIN Locations: On plate attached on top of instrument panel near windshield. Also on plate under hood attached to either left or right fender panel.

VIN System:

7602 0065 B

Year and month of MFG-1976, Feb — **Sequential Number** — **Territory Car Destined For**

A - European & Domestic
B - North America
C - Rest of World

Only two models still in production in 1980, Esprit and Eclat.

MG (England)

Principal Office: London, England (M G is a part of British Leyland Motors Corporation). **Plant:** BMC Corp., Longbridge, Birmington, England.

VIN plate displayed on top of dash visible through windshield near center.

Figure 2

CAR MODEL	YEAR	STANDARD TIRE SIZE	INFLATION FR. RR.	OPTIONAL TIRE SIZE	INFLATION FR. RR.	ADD. OPT. TIRE SIZE	INFLATION FR. RR.	RADIAL TIRE SIZE	RIM SIZE FROM TO	ASSOC. RIM NUMBER
AMERICAN MOTORS	-1981-	Letters in Brackets Under Year indicate the Following: (SC) Sub-Compact — (MC) Medium Compact — (C) Compact — (I) Intermediate — (S) Standard — (L) Luxury.								
Spirit 4 Cyl.	(SC)	P185/75R14	24 24	P195/75R14	24 24	P195/70R14	24 24	185R14	5JJ	40181
Spirit 6 Cyl.	(SC)	P185/75R14	28 28	P195/75R14	28 28	P195/70R14	28 28	185R14	5JJ	40181
Concord 4 & 6 Cyl.	(C)	P195/75R14	28 28	P195/70R14	28 28			185R14	5JJ	40304
Eagle Sedan & Wagon		P195/75R15	29 29	P215/65R15	29 29			195R15	6JJ	40424
Eagle SX-4 & Kammback 4 Cyl.		P195/75R15	26 30	P215/65R15	26 30			195R15	6JJ	40424
Eagle SX-4 & Kammback 6 Cyl.		P195/75R15	29 29	P215/65R15	29 29			195R15	6JJ	40424
Spirit 4 & 6 Cyl.	(SC) -1980-	C78-14	24 24	D78-14	24 24	P195/75R14	25 25	175R14	4½-5JJ	40180
AMX	(SC)	DR70-14	24 24	ER60-14	24 24			185R14	6-7JJ	Spec. Rim
Concord 4 Cyl. All Models	(C)	D78-14	24 24	P195/75R14	25 25	DR70-14	24 24	175R14	5-6JJ	40304
Concord 6 Cyl. All Models	(C)	D78-14	28 24	P195/75R14	29 25	DR70-14	28 24	175R14	5-6JJ	40304
Pacer All Models	(C)	P195/75R14	28 24					185R14	6JJ	40180
Eagle 4 WD Sedan & Wagon		P195/75R15	29 29					195R15	6JJ	40424
Spirit 4 & 6 Cyl.	(SC) -1979-	C78-14	24 24	D78-14	24 24	DR70-14	24 24	175R14	4½-6JJ	40180-81
Spirit V-8	(SC)	C78-14	26 24	D78-14	26 24	DR70-14	24 24	185R14	5-6JJ	40180-81
AMX	(SC)	ER60-14	32 32					185R14	7JJ	Spec. Rim
Concord 4 & 6 Cyl.	(C)	D78-14	24 24	P195/75R14	24 24	DR70-14	24 24	175R14	5-6JJ	40304
Concord 8 Cyl. Wagon	(C)	D78-14	26 26	P195/75R14	26 26	DR70-14	26 26	175R14	5-6JJ	40304
Pacer 6 Cyl. Hatchback	(C)	P195/75R14	24 24					185R14	5JJ	40181
Pacer 8 Cyl. Station Wagon	(C)	P195/75R14	24 28					185R14	5JJ	40181
Gremlin All Models	-1978-	B78-14	24 24	C78-14	24 24	DR78-14	24 24	175R14	4½-6JJ	40181
AMX		DR78-14	28 26					185R14	5-6JJ	Spec. Rim
Concord 2&4 Door 6 Cyl.		C78-14	26 26	C78-14	26 26	DR78-14	26 26	175R14	5-6JJ	40181
Concord 2&4 Door 8 Cyl.		D78-14	28 26	DR78-14	28 26			185R14	5-6JJ	40181
Concord 6 Cyl. Hatchback		C78-14	26 28	D78-14	26 28	DR78-14	26 28	175R14	5-6JJ	40304
Concord 8 Cyl. Station Wagon		D78-14	28 26	DR78-14	28 26			185R14	5-6JJ	40304
Pacer 6 Cyl. Sedan		D78-14	24 24	DR78-14	24 24			185R14	5-6JJ	40181
Pacer 8 Cyl. Sedan		E78-14	24 24	ER78-14	24 24			185R14	6JJ	40181
Pacer 6 Cyl. Station Wagon		D78-14	24 28	DR78-14	24 28			175R14	5-6JJ	40304
Pacer 8 Cyl. Station Wagon		E78-14	24 26	ER78-14	24 26			185R14	6JJ	40304
Matador Coupe 6 & 8 Cyl.		F78-14	28 26	FR78-14	28 26	GR78-14	28 26	195R14	5-6JJ	40181
Matador Sedans 6 & 8 Cyl.		F78-14	26 28	FR78-14	26 28	GR78-14	26 28	195R14	5-6JJ	40181
Matador Station Wagon		H78-14	20 28	HR78-14	20 28			215R14	6JJ	40304

CAR MODEL	YEAR	STANDARD TIRE SIZE	INFLATION FR. RR.	OPTIONAL TIRE SIZE	INFLATION FR. RR.	ADD. OPT. TIRE SIZE	INFLATION FR. RR.	RADIAL TIRE SIZE	RIM SIZE FROM TO	ASSOC. RIM NUMBER
AMERICAN MOTORS (Cont.)										
Pacer 6 Cyl.	-1977-	695-14	26 28	D78-14	26 28	DR78-14	26 28	185R14	5-6JJ	40181
Gremlin 6 Cyl.		645-14	28 26	695-14	28 26	DR78-14	28 26	185R14	4½-6JJ	40181
Hornet Sedan 6 & 8 Cyl.		695-14	26 26	D78-14	26 26	DR78-14	26 26	195R14	4½-6JJ	40181
Hornet Hatchback 6 & 8 Cyl.		695-14	26 26	D78-14	26 26	DR78-14	26 26	195R14	4½-6JJ	40181
Hornet Sportabout Wagons		695-14	26 28	D78-14	26 28	DR78-14	26 28	195R14	4½-6JJ	40181
Matador Coupe 6 Cyl.		F78-14	24 24	FR78-14	24 24	HR78-14	24 24	205R14	5-6JJ	40181
Matador Coupe 8 Cyl.		F78-14	28 26	FR78-14	28 26	HR78-14	28 26	215R14	5-6JJ	40181
Matador Sedan 6 Cyl.		F78-14	26 28	FR78-14	26 28	HR78-14	26 28	205R14	5-6JJ	40181
Matador Sedan 8 Cyl.		F78-14	26 28	FR78-14	26 28	HR78-14	26 28	215R14	5-6JJ	40181
Matador Station Wagons		H78-14	20 28	HR78-14	20 28			215R14	6JJ	40304
Pacer 6 Cyl.	-75-76-	695-14	26 28	D78-14	26 28	DR78-14	26 28	185R14	5-6JJ	40181
Gremlin 6 Cyl.		645-14	28 26	695-14	28 26	DR78-14	28 26	185R14	5-6JJ	40181
Gremlin 8 Cyl.		695-14	26 26	D78-14	26 26	DR78-14	26 26	185R14	5-6JJ	40181
Hornet Sedan 6 & 8 Cyl.		695-14	26 26	D78-14	26 26	DR78-14	26 26	195R14	5-6JJ	40181
Hornet Hatchback 6 & 8 Cyl.		695-14	26 26	D78-14	26 26	DR78-14	26 26	195R14	5-6JJ	40181
Hornet Sportabout Wagons		695-14	28 24	D78-14	28 24	DR78-14	28 24	195R14	5-6JJ	40181
Matador Coupe & Sedan 6 Cyl.		E78-14	26 28	F78-14	26 28	FR78-14	26 28	205R14	5-6JJ	40181
Matador Coupe & Sedan 8 Cyl.		F78-14	26 28	FR78-14	26 28			215R14	5-6JJ	40181
Matador Station Wagons		H78-14	20 28	HR78-14	20 28			215R14	5-6JJ	40304
Gremlin 6 Cyl.	-1974-	645-14	28 26	C78-14	24 24	DR78-14	24 24	185R14	5-6JJ	40180
Gremlin 8 Cyl.		695-14	28 24	C78-14	26 26	DR78-14	26 26	185R14	5-6JJ	40180
Hornet 6 & 8 Cyl.		695-14	26 24	C78-14	26 26	DR78-14	26 26	195R14	5-6JJ	40180
Hornet Station Wagons		695-14	26 26	C78-14	26 26	DR78-14	26 26	195R14	5-6JJ	40180
Javelin 6 Cyl.		D78-14	24 24	E78-14	24 24			185R14	5-6JJ	40180
Javelin 8 Cyl.		D78-14	28 28	E78-14	28 28	FR78-14	28 28	195R14	5-6JJ	40180
Javelin AMX		F70-14	24 24	FR78-14	24 24			195R14	6JJ	40180
Javelin AMX "Go Package"		E60-15	28 28						7JJ	Spec. Rim
Matador 6 Cyl.		E78-14	28 28	F78-14	28 28	FR78-14	28 28	205R14	5-6JJ	40180
Matador X		F70-14	28 28	FR78-14	28 28			205R14	6JJ	40180
Matador Station Wagon		H78-14	20 28	HR78-14	20 28			215R14	6JJ	40180
Ambassador		H78-14	20 28	HR78-14	20 28			215R14	6JJ	40304

Appendix A

Dynamometer Settings for Light Duty Vehicles

Dynamometer Settings for Ford Cars
1982 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Actual Horsepower	
					W/AC	WO/AC
Ford	EXP			2625	6.6	6.0
Mercury	LN7			2625	6.6	6.0

Dynamometer Settings for GM "J" Cars

1982 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Actual Horsepower W/AC	Actual Horsepower WO/AC
Chevrolet	Cavalier			2875	6.2	5.6
	Cavalier	Wagon		2875	7.1	6.5
Pontiac	J-2000			2875	6.2	5.6
	J-2000	Wagon		2875	7.1	6.5
Cadillac	Cimarron			2875	5.8	5.2

Dynamometer Settings for AMC Vehicles
1981 Model Year

Nameplate	Model	Engine	Inertia Weight	Actual Horsepower	Fuel Tank Capacity
Concord	Sedan	258	3375	10.9	22.0
		151	3250	10.4	22.0
	Wagon	151	3250	10.6	22.0
	Wagon	258	3500	11.6	22.0
Eagle	2 dr.	258	3875	14.0	22.0
	Wagon	151	3625	13.2	22.0
Spirit	Liftback	151	3000	10.2	21.0
	Sedan	258	3125	11.2	21.0
	Liftback	258	3250	11.2	21.0
Cherokee		360	4500	13.9	20.3
	2 dr.	258	4250	11.8	20.3
	Wagon	360	4500	13.9	20.3
Jeep CJ 5		151	3000	16.0	14.8
CJ 6		151	3000	16.0	14.8
CJ 6		258	3500	16.0	14.8
Jeep CJ 7		304	3500	16.0	14.8
CJ 7		151	3000	16.0	14.8
CJ 7		258	3000	16.0	14.8
J-20 Truck		360	4500	18.0	18.2
J-10 Truck		258	4000	17.5	18.2

Dynamometer Settings for Chrysler Vehicles

1981 Model Year

Nameplate	Model	Engine	Inertia Weight	Actual Horsepower	Fuel Tank Capacity
Cordoba or	Sedan	225	3750	10.4	18.0
Mirada		318	4000	10.4	18.0
		318 FI	4000	11.3	18.0
LeBaron or	Sedan	318	4000	10.4	18.0
Diplomat		2 or 4 barrel			
		318 FI	4000	11.3	18.0
		225	3750	11.5	18.0
	Wagon	225	4000	13.6	18.0
		318	4250	13.6	18.0
Omni Horizon	M4	105	2375	6.7	13.0
	Auto	105	2500	7.4	13.0
		135	2500	7.4	13.0
St. Regis		318	4250	12.1	21.0
		225	4000	12.1	21.0
Newport/New Yorker		318	4250	12.1	21.0
		225	4000	12.1	21.0
Aries or Reliant	Sedan	135/156	2750	7.5	13.0
	Wagon	135/156	2875	7.7	13.0

Dynamometer Settings for G.M. Vehicles
1981 Model Year

Make	Nameplate	Model	Engine	IW/AHP	FuelTank Capacity
Buick	Skylark		All	3000/7.3	14.0
	Century	Sedan	All	3750/11.3	18.1
		Wagon	265	4000/12.2	18.2
			231	3750/12.2	
	Regal		All	3750/11.2	18.1
	LeSabre		231/252	4000/11.3	25.0
			307/Diesel	4250/11.3	
	Estate	Wagon	307	4500/12.7	25.0
			Diesel	4750/12.7	
	Electra		252/307	4250/10.8	25.0
			Diesel	4500/10.8	
	Riviera		231/252	4000/10.0	21.0
			307	4250/10.0	
			Diesel	4500/10.0	
Chev.	Monte Carlo		229/231	3625/10.6	18.1
			267		
Chev.	Camaro		229	3750/9.0	20.8
			267/305	3875/9.0	
			350	4000/9.0	
Chev.	Chevette	Auto W/AC	098	2500/9.8	12.5
		Auto No/AC		2375/8.9	
		Manual W/AC		2375/9.8	
		Manual No/AC		2250/8.9	
Chev.	Citation		All	3000/7.3	14.0

Chev.	Corvette		350	3625/8.0	23.7
Chev.	Malibu	Sedan	231/267/229	3625/11.1	18.1
			305	3750/11.1	
		Wagon	231/267/229	3750/12.2	18.2
			305	3875/12.2	
Chev.	Impala/Caprice	Sedan	229/231	3875/10.3	25.0
			267/305	4000/10.3	
			Diesel	4500/10.5	
Chev.	Impala/Caprice	Wagon	267/305	4500/13.2	22.0
			Diesel	4750/13.2	
Cadillac	Deville/Brougham		252	4250/11.3	25.0
			368	4500/11.3	
			Diesel	4750/11.8	
	Seville/Eldorado		252	4000/10.0	20.6
			368	4250/10.0	
			Diesel	4500/10.0	
Oldsmobile	Omega		151	3000/7.3	14.0
			171	3000/7.3	
				3000/7.3	
	Cutlass		231	3625/11.3	18.1
			260	3750/11.3	
			Diesel	4000/12.2	
	Cutlass Supreme		231/260/350	3750/10.9	18.1
			Diesel	4000/11.5	
	Cutlass	Wagon	231	3750/12.2	18.2
			260/307	4000/12.2	
			Diesel	4250/12.5	
	Delta 88		231/260	4000/11.3	25.0
			307/Diesel	4250/11.3	
	Custom Cruiser	Wagon	307	4500/12.0	22.0
			Diesel	4750/12.0	
Oldsmobile	Ninety Eight		252/307	4250/10.8	22.0
			Diesel	4500/10.8	

	Toronado		252/307	4000/10.0	21.0
			Diesel	4250/10.0	
Pontiac	Phoenix	Auto	171	3125/7.3	14.0
		Manual		3000/7.3	
			151	3000/7.3	
	Firebird & Esprit		231/301	3875/9.2	20.8
			265/301	4000/9.2	
	Firebird Formula & Trans Am		All	4000/8.6	20.8
	Lemans/Grand Am	Auto	231	3625/10.4	18.1
		Manual		3500/10.4	
			265	3750/10.4	
	Lemans Safari	Wagon	231	3750/11.8	18.2
			265/301	4000/11.8	
	Grand Prix		231	3750/10.6	18.1
			265	3875/10.6	
Pontiac	Safari	Wagon	307	4500/12.0	18.1
			Diesel	4750/12.0	
	Catalina or Bonneville		231/265	4000/10.5	25.0
			307	4250/10.5	
			Diesel	4500/10.5	

Dynamometer Settings for Ford Vehicles
1981 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Actual Horsepower	Fuel Tank Capacity
Ford	Capri	Sedan	200	3125	8.0	12.5
			255	3250	8.9	12.5
			140	3000	8.9	12.5
	Fairmont	Sedan	255	3375	10.7	16.0
			200	3250	10.7	16.0
			140	3000	9.7	16.0
		Wagon	140	3125	10.4	14.0
			200	3250	10.4	14.0
			255	3500	11.5	14.0
	Escort	Sedan	98	2375	6.4	10.0
		Wagon	98	2625	6.5	10.0
Ford	LTD	Sedan	302	4000	11.9	18.0
			255	4000	11.9	20.0
			351	4250	11.9	20.0
		Wagon	302	4250	12.6	18.0
			351	4500	12.6	20.0
Lincoln	Town Car	Sedan	302	4250	13.4	18.0
	Mark IV	Sedan	302	4250	13.4	18.0
Ford	Granada	Sedan	200	3375	11.1	16.0
			255	3500	11.1	16.0

Mercury	Marquis	Sedan	255	4000	11.9	20.0
			351	4250	11.9	18.0
			302	4250	11.9	18.0
		Wagon	302	4250	11.4	20.0
			351	4500	12.6	20.0
Ford	Mustang	Sedan	140	3000	8.5	12.5
			200	3125	8.9	12.5
			255	3250	9.4	12.5
Ford	Thunderbird	Sedan	302	3750	11.0	17.5
			200	3500	11.0	17.5
			255	3625	11.0	17.5
Mercury	XR7	Sedan	255	3750	11.0	17.5
			200	3500	11.0	17.5
			302	3750	11.0	17.5
	Zephyr	Sedan	255	3375	10.7	16.0
			140	3000	9.7	16.0
			200	3125	9.7	16.0
		Wagon	140	3125	10.4	14.0
			200	3375	10.4	14.0
			255	3500	10.4	14.0
	Lynx	Sedan	98	2375	6.4	10.0
	Lynx	Wagon	98	2625	6.5	10.0

Dynamometer Settings for Import Vehicles
1981 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Actual Horsepower	Fuel Tank Capacity
Fiat	Brava		122	3000	11.4	12.2
	Spider 2000		122	2750	8.8	11.4
	Strada	5DR	91	2500	9.0	12.1
	X1/9		91	2375	8.0	12.2
Honda	Accord 5M+3A	HB	107	2500	9.6	13.2
	5M+3A	Sedan	107	2625	9.6	13.2
	Civic 5M+3A	HB	91	2125	8.7	10.8
	5M+3A	Sedan	91	2250	8.7	12.2
	3A	HB	81	2125	8.7	10.8
	5M	HB	81	2000	8.7	10.8
	5M+3A	Wagon	91	2250	9.6	10.8
	Prelude		107	2500	8.9	13.2
Nissan	200SX	Hard Top	119	2875	9.6	14.0/15.9
	210		75	2250	10.1	13.2
			85	2250	9.4	13.2
			91	2250	9.2	13.2
	210	Wagon	91	2375	9.2	13.2
	280ZX		168	3125	8.6	21.1
		2+2 G/L	168	3250	8.6	21.1

Fiesta		Sedan	79	2250	7.7	10.0
			97	2500	8.5	10.0
Toyota	Celica	Coupe/ Liftback	144	3000	8.9	16.1
		Supra	168	3250	9.8	16.1
	Corolla	Coupe	108	2500	9.0	13.2
		Hardtop	108	2625	8.4	13.2
		Liftback	108	2625	9.3	13.2
		Tercel 2 dr.	89	2250	7.8	11.9
		Tercel 3 dr.	89	2250	8.8	11.9
		Sedan 2 dr.	108	2500	9.0	13.2
		4 dr.	108	2625	9.9	13.2
		Wagon	108	2625	10.2	12.4
	Corona	Sedan	144	3000	8.9	16.1
		Wagon	144	3000	11.5	15.5
	Starlet		79	2000	7.5	10.6
	Land Cruiser	Hard Top	258	4000	17.5	22.4
		Wagon	258	4000	17.0	23.8
	Pickup	2WD Long bed	144	2750	12.5	16.0
		2WD short bed	144	2750	12.5	13.5
		3/4 ton 2WD	144	2750	12.5	16.0
		4WD long bed	144	3000	14.5	16.0
		4WD short bed	144	3000	14.5	16.0
	Cressida	Wagon	168	3250	11.6	17.2

	310		91	2375	8.8	13.2
	510	5 dr. HB	119	2625	10 .4	13.2
		Wagon	119	2750	10 .8	13.2
	810	Wagon	146	3125	9.4	15.9
Mitsubishi	Dodge	Challenger	156	3125	9.6	15.8
	Colt	HB	86	2125	7.0	10.6
			98	2250	7.2	10.6
	D-50	P/U	122	2875	11.4	15.1
			156	3000	11.4	18.0
	Plymouth	Sapporro	156	3125	9.6	15.8
Toyo Kogyo	Mazda					
	GLC	Sedan	91	2250	9.2	11.1
		Wagon	91	2375	9.2	11.9
	RX-7		70	2625	7.8	16.6
	626		120	2875	9.4	14.5
Peugeot	505	Sedan-gas	120	3375	11.8	18.0
		Sedan-diesel	141	3500	11.8	18.0
	604	Sedan-gas	174	3500	12.4	18.0
Renault	LeCar		85	2125	7.6	10.0
	18 Custom	Sedan	101	2500	7.5	13.7
	Deluxe					
	Station Wagon		101	2875	8.2	15.1
Subaru		Sedan	97	2375	8.4	13.2
			109	2375	9.4	13.2
		Wagon	109	2500	9.4	13.2
	4WD	Wagon	109	2625	9.4	11.9
	4WD	Brat	109	2500	9.0	11.9

Volkswagen						
	Rabbit	Sedan	105	2375	7.7	10.5
		Convertible		2500	7.7	10.5
	Dasher Pickup	Truck	97	2375	8.9	15.0
			105	2500	9.8	15.0
	Bus	Van	120	3500	15.0	16.0
Volvo	DL	Sedan	130	3250	11.9	15.8
	GL	Sedan	174	3375	11.9	15.8
		Wagon	174	3375	12.1	15.8
			130	3375	12.1	15.8
	GLE	Sedan	174	3375	12.0	15.8
	GLT	Sedan	130	3375	12.5	15.8
Audi	4000	Sedan	105	2500	7.9	16.0
			131	2875	7.1	16.0
	5000	Sedan	131	3250	7.0	20.0

Dynamometer Settings for Chevrolet Trucks
1981 Model Year

Nameplate	Model	Engine	Inertia Weight	AHP A/C Equipped	No A/C	Fuel Tank
C-10	Pickup	250,305	4250	16.6	15.2	
C-20	Pickup	250,305	4500	16.9	15.5	
		350	4750			
K-10	Pickup (4x4)	250	4500	17.0	15.6	
		350	4750			
K-20	Pickup (4x4)	350	5250	18.4	17.0	
C-10	Blazer	250/305	4500	15.3	13.9	
K-10	Blazer (4x4)	305/350	5000	17.0	15.6	
C-10	Suburban	350	5000	15.9	14.5	
K-10	Suburban (4x4)	350	5500	16.2	14.8	
G-10	Van & Sportvan	250/305	4500	17.6	16.2	
		350	5250			
G-20	Van & Sportvan	250/305	4500	17.6	16.2	
		350	5250			

1981 Equivalent Test Weights and PAU Settings
Light Truck, Non-A/C Calibrations (Engine Code Second Digit is B or F)

Ford Trucks

		300		255	302		351	351	
F-100	SWB Reg. Cab	3875/14.0		3875/14.0	3875/14.0				
	LWB Reg. Cab	4000/14.0		3875/14.0	4000/14.0				
		R	B		R	B		R	B
F-150	SWB Reg. Cab	3875/14.0			3875/14.0				
	LWB Reg. Cab	4000/14.0			4000/14.0			4500/14.0	
	SWB Super Cab	4250/14.0			4250/14.0			4500/14.0	
	LWB Super Cab	4250/14.0			4250/14.0			4750/14.0	
	SWB Reg. Cab 4x4	4250/16.7	18.6		4250/16.7	18.6		4500/16.7	18.6
	LWB Reg. Cab 4x4	*4250/16.7	18.6		4250/16.7	18.6		4500/16.7	18.6
	LWB Super Cab 4x4	*4500/16.7	18.6					4750/16.7	18.6
F-250	LWB Reg. Cab	4250/18.0			4500/18.0			4750/18.0	
	SWB Super Cab	4500/18.0			4500/18.0			4750/18.0	
	LWB Super Cab	4500/18.0			4750/18.0			5000/18.0	
	LWB Reg. Cab 4x4	4750/20.0			5000/20.0			5000/20.0	
	LWB Super Cab 4x4	5000/20.0						5500/20.0	
		R	B		R	B		R	B
Bronco		4750/15.1	17.2		4750/15.1	17.2		5000/15.1	17.2
E-100	SWB Reg. Van	4250/16.4			4250/16.4		4250/16.4		
	LWB Reg. Van	4500/16.4			4500/16.4		4500/16.4		
	SWB Club Wagon	4750/16.4			4750/16.4		5000/16.4		
E-150	SWB Reg Van	4250/16.4			4250/16.4		4500/16.4		
	LWB Reg Van	4500/16.4			4500/16.4		4500/16.4		
	SWB Club Wagon	4750/16.4			5000/16.4		5000/16.4		
	LWB Club Wagon	5000/16.4			5250/16.4		5250/16.4		
	LWB Super Van	4500/16.4			4750/16.4		4750/16.4		
	LWB Super Wagon	5000/16.4			5250/16.4		5500/16.4		
E-250	LWB Reg Van	*4750/18.0			*4750/18.0		5000/18.0		

R = Radial Tires
B = Bias Tires

NON-A/C

1981 Ford Courier 3000/11.4

1981 Equivalent Test Weights and PAU Settings
Light Truck, With A/C Available Calibrations (Engine Code Second Digit is A, G, J, or K)

Ford Trucks

		300		255	302		351		351	
100	SWB Reg. Cab	3875/14.0		3875/15.4	4000/15.4					
	LWB Reg. Cab	4000/14.0		4000/15.4	4000/15.4					
		R	B		R	B	R	B	R	B
150	SWB Reg. Cab	3875/14.0			4000/15.4					
	LWB Reg. Cab	4000/14.0			4000/15.4		4250/15.4		4500/15.4	
	SWB Super Cab	4250/14.0			4250/15.4		4500/15.4		4750/15.4	
	LWB Super Cab	4250/14.0			4500/15.4		4750/15.4		4750/15.4	
	SWB Reg. Cab 4x4	4250/16.7	18.6		4250/16.7	18.6	4500/18.1	20.0	4500/18.1	20.0
	LWB Reg. Cab 4x4	4250/16.7	18.6		4250/16.7	18.6	4500/18.1	20.0	4500/18.1	20.0
	LWB Super Cab 4x4	4500/16.7	18.6				4750/18.1	20.0	5000/18.1	20.0
250	LWB Reg. Cab	4250/18.0			4500/18.0		4750/19.4		4750/19.4	
	SWB Super Cab	4500/18.0			4750/18.0		4750/19.4		5000/19.4	
	LWB Super Cab	4500/18.0			4750/18.0		5000/19.4		5000/19.4	
	LWB Reg. Cab 4x4	4750/20.0			5000/18.0		5000/21.4		5000/21.4	
	LWB Super Cab 4x4	5000/20.0					5250/21.4		5500/21.4	
conco		R	B		R	B			R	B
		4750/15.1	17.2		4750/15.1	17.2	5000/16.5	18.6	5000/16.5	18.6
100	SWB Reg. Van	4250/16.4			4500/17.8		4500/17.8			
	LWB Reg. Van	4500/16.4			4750/17.8		4750/17.8			
	SWB Club Wagon	4500/16.4			5000/17.8		5000/17.8			
150	SWB Reg Van	4250/16.4			4500/17.8		4500/17.8			
	LWB Reg Van	4500/16.4			4750/17.8		4750/17.8			
	SWB Club Wagon	5000/16.4			5000/17.8		5000/17.8			
	LWB Club Wagon	5000/16.4			5250/17.8		5250/17.8			
	LWB Super Van	4750/16.4			5000/17.8		5000/17.8			
	LWB Super Wagon	5250/16.4			5500/17.8		5500/17.8			
250	LWB Reg Van	4750/18.0			5000/19.4		5250/19.4			

= Radial Tires
= Bias Tires

A/C

Emission Factor Testing Program
Dynamometer Settings for Dodge Vehicles
1981 Model Year

Nameplate	Model	Engine	Inertia Weight	Actual Horspower	Fuel Tank Capacity
B1	Van 127 WB	225	4000	15.8	22.1
	109 WB	225	4000	15.8	22.1
B2	109 W.B. Van	318 or 225	4750	17.0	36.0
	127 W.B. Van	318 or 225	4000	18.9	22.1
B3 Van		360	4500	17.5	36.0
		318	4500	19.0	36.0
Ramcharger	Truck	318	5000	18.7	35.0
Pickup 2 WD	D150	225	4000	16.7	30.0
		318	4000	17.0	30.0
		360	4500	18.1	18.0
4WD	D200 131WB	318	4500	20.0	30.0
		225	4500	19.7	30.0
	106 WD	318	5000	18.7	30.0
		360	5000	18.7	30.0

Emission Factor Testing Program
Dynamometer Settings for Datsun Trucks
1981 Model Year

Nameplate	Model	Engine	Inertia Weight	Actual Horspower	Fuel Tank Capacity
Datsun	P/U King Cab	133	2750	13.0	13.2
	P/U Regular Cab	133	2750	13.0	13.2
	P/U 4WD King Cab	133	3250	14.5	15.8

Emission Factor Testing Program

Dynamometer Settings for AMC and Imported Cars

1980 Model Year

1980

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
AMC	Spirit			3000	11.0
	Pacer	Sedan		3500	12.3
		Wagon		3500	12.8
	Concord		151	3000	11.0
			258	3500	11.0
	Concord Wagon		151	3000	11.8
			258	3500	11.8
Audi	Fox			2500	7.9
	4000			2500	7.9
	5000			3000	7.0
Datsun	210	Radial Tires		2250	9.3
		Non-Radial Tires		2250	10.1
	310			2250	9.5
	510	Hatchback		2500	9.4*
		Sedans		2500	9.4*
		Wagon		2750	9.8*
	810	Sedan		3000	10.2
		Wagon		3000	10.9
	280ZX	Coupe and 2+2		3000	8.9
	200SX			2750	8.7*
	*Add 10% to listed horsepower when testing California Version of these models.				
Dodge	Celeste		98	2500	7.5
			156	2750	7.9
	Challenger		98	2750	9.6
			156	3000	9.6
	Colt	Sedan or Coupe		2500	7.5
		Wagon	98	2750	9.7
			156	3000	9.7
		Hatchback		2250	7.5

Emission Factor Testing Program

Dynamometer Settings for AMC and Imported Cars

1980 Model Year

1980

Make	Nameplate		Model	Engine	Inertia Weight		Horsepower
Fiat	Brava		131 2 dr or sedan		2750		11.4
			4 dr. Sedan		3000		11.4
			wagon		3000		11.3
	124		124-Spider	2000	2500		8.8
					2500		8.8
	X 1/9 Strada		138		2500		9.0
FORD	Fiesta				2000		7.6
HONDA	Civic	4M	Hatch	1300 cc	2000	Radial	8.7
						Bias	9.3
		25A+4M	Hatchback	1500 cc	2125	Bias	9.3
						Radial	8.7
		5M	Station Wagon	1500 cc	2250	Bias	10.2
						Radial	8.7
		3A+5M	Hatchback		2500		9.6
	Accord	3A+5M	Sedan & Hatch LX	1800	2625		9.6
	Prelude	3A+5M			2500		8.9
VOLVO			Sedan		3500		12.5
			Station Wagon		3500		12.8
MAZDA	626				2750		10.6
	GLC		Hatchback		2250		9.0
			Station Wagon		2500		9.2
	RX-7				2750		8.8
PLYMOUTH	Lancer		Coupe		2500		7.9
			Station Wagon		2750		9.3
	Arrow			98	2500		7.5
				158	2750		7.7
	Sapporo			98	2750		7.5
				156	3000		7.9
	Champ			86	2000		7.6
				98	2250		7.6
RENAULT	LeCar				2000		7.6
		Coupe			2250		9.4
SUBARU		All			2500		9.4

Emission Factor Testing Program

Dynamometer Settings for AMC and Imported Cars

1980 Model Year

1980

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
Volkswagen	Rabbit or Scirocco			2250	6.8
	Dasher			2500	6.9
Toyota	Corolla	Sedan		2500	8.8
		Wagon		2500	9.4
	Celica	All	134	3000	10.1
			156	3000	10.3
	Corona	Sedans	All	3000	10.1
		Liftbacks	All	2750	8.8
		Wagon	All	3000	9.9
	Cressida	All	All	3000	11.2
	Tercel	2 Dr. Sedan		2000	7.6
		3 Dr. Sedan		2250	8.4
Mercedes	450SL	Auto	275FI	4000	11.2

Emission Factor Testing Program

Dynamometer Settings for Chrysler Corporation Cars

1980 Model Year

1980

Nameplate	Model	Other Factors	Inertia Weight	Horsepower
Omni or Horizon	2 dr	Auto w/o A/C	2500	7.1
		Auto with A/C	2500	7.8
		Manual w/o A/C	2500	7.4
		Manual with A/C	2500	7.9
	4 dr	without A/C	2500	7.1
		with A/C	2500	7.8
Aspen or Volare	Sedans	225 CID	3500	11.8
		318 CID	4000	12.6
	Station Wagons		4000	12.6
Diplomat	2 dr.		4000	10.4
or LeBaron	4 Dr.		4000	10.4
	Station Wagon		4000	11.2
Newport or		225CID	4000	11.9
St. Regis		318 or 360	4500	11.9
Cordoba or Mirada			4000	10.4
New Yorker			4500	11.9

Emission Factor Testing Program
Dynamometer Settings for Ford Cars
1980 Model Year

1980

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
FORD	Fiesta			2000	7.6
	Mustang		4 Cyl w/o Turbo	3000	8.0
			4 Cyl w/Turbo	3000	8.9
			6 or 8 cyl	3000	9.4
	Pinto	Sedans & Hatchback		2750	9.7
		Station Wagons		3000	9.5
	Fairmont	Sedans & Coupes	Non-turbo	3000	10.8
			Turbo	3000	11.1
		Station Wagons		3000	11.3
	Granada			3500	11.1
	Thunderbird			3500	10.6
	Ford	Sedans & Coupes		4000	11.3
		Station Wagons		4500	12.0
Ford	Courier	P/U		3000	11.4
MERCURY	Capri		4 cyl w/o Turbo	3000	8.0
			4 cyl w/Turbo	3000	8.9
			6 or 8 cyl	3000	9.4
	Bobcat	Sedan and Hatchback		2750	9.7
		Station Wagons		3000	9.5
	Zephyr	Sedans & Coupes	Non Turbo	3000	10.8
			Turbo	3000	11.1
		Station Wagons		3000	11.3
	Monarch			3500	11.1
	XR-7			3500	10.6
	Mercury	Sedans & Coupes		4000	11.3
		Station Wagons		4500	12.0
LINCOLN	Versailles			4000	12.8
	Mark VI/Continental	2 dr.		4500	13.1
		4 dr.		4500	13.5

Emission Factor Testing Program
Dynamometer Settings for GM Cars
1980 Model Year

1980

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
CHEVROLET	Chevette	2 door		2250	9.2
		4 door		2500	9.2
	Monza	Hatchback	4 cyl	3000	9.2
		Sport Hatchback	4 cyl	3000	9.2
		Coupe	4 cyl	3000	9.9
	Note: 3500 lb Inertia Weight for Monza with V6 or V8 Engine				
	Citation		4 cyl	2750	6.6
			6 cyl	3000	7.3
	Camaro		6 Cyl	4000	10.2
			267 V/8	4000	9.0
			305 V/8	3875	9.0
			350 V/8	4000	10.2
	Corvette			3500	7.3
	Malibu	Sedans & Coupes		3500	11.3
		Station Wagon	6 cyl	3500	11.3
		Station Wagon	8 cyl	4000	12.5
	Monte Carlo			3500	12.5
	Impala or	Sedans & Coupes		4000	10.3
	Caprice	Station Wagons		4500	13.2
PONTIAC	Sunbird	Hatchback	4 cyl	3000	9.2
		Coupe	4	3000	9.6
	Note: 3500 lb Inertia Weight for Sunbird with V6 or V8 Engine				
	Phoenix			3000	7.3
	Firebird	All but Trans-Am		4000	9.8
		Trans-Am		4000	10.5
	Lemans or	Sedan and Coupes		3500	11.6
	Grand Am	Station Wagons		4000	12.8
	Grand Prix			3500	11.3
	Catalina or	Sedans & Coupes		4000	12.2
	Bonneville	Station Wagons		4500	13.2

Emission Factor Testing Program
Dynamometer Settings for GM Cars
1980 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
Oldsmobile	Starfire		4	3000	9.0
			6 or 8	3500	9.0
	Omega			3000	7.3
	Cutlass	Coupes & Sedans		3500	11.6
		Station Wagons		4000	12.6
	Delta 88			4000	12.2
	Custom Cruiser			4500	13.2
	Ninety-eight			4500	11.4
	Toronado		Gas	4000	9.1
			Diesel	4500	9.1
BUICK	Skyhawk			3500	9.0
	Skylark			3000	7.3
	Century	Sedans & Coupes	All	3500	11.2
		Station Wagons		3500	12.6
	Regal			3500	11.2
	LeSabre			4000	12.2
	Estate Wagon			4500	13.2
	Electra			4000	11.3
	Riviera			4000	9.1
CADILLAC	Deville or Brougham			4500	11.3
	Seville			4500	9.7
	Eldorado		Gas	4000	9.7
			Diesel	4500	9.7
	Limousine			6500	16.8

Emission Factor Testing Program
Dynamometer Settings for Chevrolet Trucks
1980 Model Year

Nameplate	Model	Engine	Inertia Weight	AHP		Fuel Tank Capacity
				A/C Equipped	No A/C	
C-10	Pickup	250	4000	-	15.6	20.0
		350	4500	17.0	-	20.0
C-20	Pickup	350	5000	16.5	12.9	20.0
K-10	Pickup (4x4)	250/350	4500	22.0	16.9	16.0
K-20	Pickup (4x4)	350	5500	15.3	13.9	31.0
K-10	Blazer (4x4)	350	5000	17.4	-	31.0
C-10	Suburban	350	5000	15.2	13.9	31.0
K-10 (4x4)	Suburban	350	5500	17.2	-	31.0
G-10	Van & Sportvan	350/305	4500	17.9	16.5	22.0
G-20	Van & Sportvan	350/400	5000	17.9	16.5	22.0

Emission Factor Testing Program
Dynamometer Settings for Ford Trucks
1980 Model Year

Name Plate	Model	Engine	I.W./AHP NO A/C	A/C Equipped
F-100	LWB&SWB Reg Cab	300,302	3875 / 14.9	4000 / 16.3
F-150	SWB Reg. Cab	300	3875 / 14.9	3875 / 14.9
	SWB Reg. Cab	302	4000 / 14.9	4000 / 16.3
	SWB Reg. Cab	351	4500 / 14.9	4500 / 16.3
	LWB Reg. Cab	300,302	4000 / 14.9	4250 / 16.3
	LWB Reg. Cab	351	4500 / 14.9	4500 / 16.3
	SWB&LWB Super Cab	300	4250 / 14.9	4250 / 14.9
	SWB&LWB Super Cab	302	4500 / 14.9	4500 / 16.3
	SWB&LWB Super Cab	351	4750 / 14.9	5000 / 16.3
	SWB Reg Cab 4x4	300	4250 / 18.6	4250 / 18.6
	SWB Reg. Cab 4x4	302,351	4500 / 18.6	4500 / 18.6
	LWB Reg. Cab 4x4	300,302,351	4500 / 18.6	4500 / 18.6
	LWB Super Cab 4x4	300	4750 / 18.6	4750 / 18.6
	LWB Super Cab 4x4	351	5000 / 18.6	5000 / 18.6
F-250	LWB Reg. Cab	300,302	4250 / 18.0	4250 / 18.0
	LWB Reg. Cab	351	4750 / 18.0	4750 / 19.4
	SWB Super Cab	300,302	4500 / 18.0	4500 / 18.0
	SWB Super Cab	351	5000 / 18.0	5000 / 19.4
	LWB Super Cab	300,302	4500 / 18.0	4500 / 18.0
	LWB Super Cab	351	5000 / 18.0	5250 / 19.4
	LWB Reg. Cab 4x4	300	4750 / 20.0	4750 / 20.0
	LWB Reg. Cab 4x4	302,351,400	5500 / 20.0	5000 / 20.0

	LWB Super Cab 4x4	351,400	5500 / 20.0	5500 / 20.0
Bronco		300	4750 / 17.2	4750 / 17.2
		302,351	5000 / 17.2	5250 / 18.6
E-100	SWB Reg. Van	300,302	4250 / 16.4	4250 / 16.4
	SWB Reg. Van	351	4500 / 16.4	4500 / 17.8
	LWB Reg. Van	300,302,351	4500 / 16.4	4750 / 17.8
	SWB Club Wagon	300	4500 / 16.4	4500 / 16.4
	SWB Club Wagon	302,351	4750 / 16.4	5000 / 17.8
E-150	SWB Reg. Van	300	4250 / 16.4	4250 / 16.4
	SWB Reg. Van	302,351	4500 / 16.4	4500 / 17.8
	LWB Reg. Van	300,302	4500 / 16.4	4750 / 17.8
	LWB Reg. Van	351	4750 / 16.4	5000 / 17.8
	SWB Club Wagon	300	4500 / 16.4	4500 / 16.4
	SWB Club Wagon	302	5000 / 16.4	5000 / 17.8
	SWB Club Wagon	351	4750 / 16.4	5000 / 17.8
	LWB Club Wagon	300	4500 / 16.4	4500 / 16.4
	LWB Club Wagon	302,351	5000 / 16.4	5000 / 17.8
	LWB Super Van	300	4500 / 16.4	4500 / 16.4
	LWB Super Van	302	5000 / 16.4	5000 / 17.8
	LWB Super Van	351	4750 / 16.4	5000 / 17.8
	LWB Super Wagon	300	4750 / 16.4	4750 / 16.4
	LWB Super Wagon	351	5000 / 16.4	5250 / 17.8
E-250	LWB Reg. Van	300,302	5000 / 18.0	5000 / 19.4
	LWB Reg. Van	351,400	5250 / 18.0	5500 / 19.4

LWB Club Wagon	300,302	5000 / 18.0	5000 / 19.4
LWB Club Wagon	351,400	5500 / 18.0	5500 / 19.4
LWB Super Van	300	5000 / 18.0	5000 / 18.0
LWB Super Van	351,400	5500 / 18.0	5500 / 19.4
LWB Super Wagon	300	5000 / 18.0	5000 / 18.0
LWB Super Wagon	351	5500 / 18.0	5500 / 19.4
LWB Super Wagon	400	6000 / 18.0	6000 / 19.4

Emission Factor Testing Program
Dynamometer Settings for AMC and Imported Cars
1979 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
AMC	Spirit		121	3000	11.0
			232	3000	11.1
			258, 304	3500	11.1
	Pacer		258	3500	12.3
			304	4000	12.3
	Pacer Wagon		258	3500	12.8
			304	4000	12.8
	Concord		121	3000	11.0
			258, 304	3500	11.1
	Concord Wagon		258	3500	11.9
			304	4000	11.9
Audi	Fox	Sedan or Wagon		2500	8.0
	5000			3000	11.8
Datsun	210	Radial Tires		2250	9.3
		Non-Radial Tires		2250	10.0
	310			2250	9.5
	510	Hatchback		2500	9.4*
		Sedans		2500	9.7*
		Wagon		2750	9.9*
	810	Sedan		3000	10.8
		Wagon		3000	10.9
	280ZX	Coupe and 2+2		3000	9.8
	200SX			2750	8.9*
	*Add 10% to listed horsepower when testing California versions of these models				
Dodge	Celeste		98	2500	7.9
			156	2750	7.9
	Challenger		98	2750	9.6
			156	3000	9.6
	Colt	Sedan or Coupe		2500	8.7
		Wagon	98	2750	9.3
			156	3000	9.3
		Hatchback		2250	7.7

Emission Factor Testing Program, Cont'd.
Dynamometer Settings for AMC and Imported Cars

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower
Fiat	128			2250	9.6
	131	Sedan or Coupe		2750	10.4
		Wagon		2750	10.3
	124			2750	8.8
	Lancia Beta			3000	9.3
	X/19			2500	8.0
	138			2250	10.1
Ford	Fiesta			2000	7.3
Honda	Civic	Sedan or Hatchback	1200cc	2000	9.3
		Sedan or Hatchback	1500cc	2000	8.6
		Station Wagon	1500cc	2250	8.9
	Accord	Hatchback		2500	9.1
		Sedan		2500	9.6
	Prelude			2500	9.1
Volvo		Sedan	4 cyl	3000	12.5
			6 cyl	3500	12.5
		Station Wagon		3500	12.8
Mazda	626	Coupe		2750	9.4
		Sedan		2750	9.6
	GLC	Hatchback		2250	9.1
		Station Wagon		2500	9.2
	RX-7			2750	8.8
Opel				2500	7.5
Plymouth	Lancer	Coupe		2500	7.9
		Station Wagon		2750	9.3
	Arrow		98	2500	7.9
			156	2750	7.9
	Sapporo		98	2750	9.6
			156	3000	9.6
	Champ			2250	7.7
Renault	Le Car			2000	7.7
	Gordini			2750	8.1
Subaru		Coupe		2250	9.1
		Sedan		2250	8.8
		Station Wagon		2500	9.2
		Brat		2500	9.0
Volks-wagen	Beetle Convertible			2500	10.2
	Rabbit			2250	7.3
	Dasher			2500	8.0
	Scirocco			2250	7.3

Emission Factor Testing Program, Cont'd.

Dynamometer Settings for Imported Vehicles

Make	Nameplate	Model	Engine		Inertia Weight	Horsepower
TOYOTA	Corolla		71	(Radial)	2250	9.4
				(Bias)	2250	10.1
			97		2500	9.4
	Celica		134		3000	10.0
			156		3000	10.2
	Corona	Sedans			3000	10.0
		Liftback			3000	9.2
		Wagon			3000	9.9
	Cressida				3000	11.2

1979

Emission Factor Testing Program
Dynamometer Settings for Chrysler Corporation Cars
1979 Model Year

Nameplate	Model	Other Factors	Inertia Weight	Actual Horsepower
Omni or Horizon	2 door	Auto without A/C	2500	6.5
		Auto with A/C	2500	7.2
		Manual without A/C	2500	7.5
		Manual with A/C	2500	8.3
	4 door	without A/C	2500	7.8
		with A/C	2500	8.6
Aspen or Volare	Sedans	225 CID	3500	11.3
		318 CID	4000	11.3
	Station Wagon		4000	13.2
Diplomat or LeBaron	2 door		4000	11.7
	4 door		4000	11.9
	Station Wagon	225 or 318	4000	13.8
		360 CID	4500	13.8
Magnum		318 CID	4000	10.6
		360 CID	4500	9.8
Newport or St. Regis		225 CID	4000	11.2
		318 or 360	4500	11.0
Cordoba			4500	11.1
New Yorker			4500	11.0

Emission Factor Testing Program
Dynamometer Settings for Ford Cars
1979 Model Year

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower Bias	Horsepower Radial
FORD	Fiesta			2000	-	7.3
	Mustang	2 door	140(non-turbo)	2750	10.4	10.2
		3 door	140(non-turbo)	3000	10.4	10.2
		2 door	140(turbo)	2750	11.5	11.2
		3 door	140(turbo)	3000	11.5	11.2
		All models	171	3000	11.5	11.2
			302(no A/C)	3000	11.5	11.2
			302(with A/C)	3500	12.4	11.2
	Pinto	Sedan and hatchback	140	2750	10.5	9.7
			171	3000	11.7	10.7
		Station Wagon	140	3000	10.6	9.7
			171	3000	12.3	10.3
	Fairmont	All Models	140	3000	11.1	11.0
		Sedans and Coupes	200	3000	12.2	12.1
		Station Wagons	200	3500	12.2	12.1
		All Models	302	3500	12.2	12.1
	Granada		250	3500	-	11.1
			302(no A/C)	3500	-	11.1
			302(with A/C)	4000	-	11.1
	LTDII	2 door		4500	-	12.8
		4 door		4500	-	12.9
	Thunderbird			4500	-	11.9
	LTD	Sedans and Coupes		4000	-	12.0
		Station Wagons		4500	-	13.1
	Ranchero		351	4500		12.7
MERCURY	Capri		140(non-turbo)	3000	11.1	10.2
			140(turbo)	3000	12.2	11.2
			171	3000	12.2	11.2
			302(no A/C)	3000	12.2	11.2
			302(with A/C)	3500	12.4	11.2
	Bobcat	Sedan and hatchback	140	2750	10.5	9.7
			171	3000	11.7	10.7
		Station Wagons	140	3000	10.6	9.7
			171	3000	12.3	10.3

1979

Dynamometer Settings for 1979 Ford Cars

Make	Nameplate	Model	Engine	Inertia Weight	Horsepower Bias	Horsepower
MERCURY	Zephyr	Sedans and Coupes	140	3000	11.1	10.8
			200	3000	12.2	11.9
			302	3500	12.2	11.9
		Station Wagons	140	3000	12.2	11.0
			200	3500	12.2	12.1
			302	3500	12.2	12.1
	Monarch		250	3500	-	11.1
			302(no A/C)	3500	-	11.1
			302(with A/C)	4000	-	11.1
	Cougar	2 door		4500	-	13.2
		4 door		4500	-	13.3
	XR-7			4500	-	11.9
	Mercury	Sedans and Coupes		4000	-	12.0
		Station Wagons		4500	-	13.1
LINCOLN	Versailles			4000	-	12.8
	Continental	2 door		5000	-	14.7
		4 door		5000	-	14.8
	Mark V			5000	-	13.6

Emission Factor Testing Program
Dynamometer Settings for GM Cars
1979 Model Year

Make	Nameplate	Model	Engine	VIN Code (1st 4 digits)	Inertia Weight	Horsepower Bias	Horsepower Radial
CHEVROLET	Chevette	2 door			2250	9.8	9.2
		4 door			2500	9.9	9.2
	Monza	Hatchback	4	1H07	3000	10.1	9.1
		Sport Hatchback	4	1R07	3000	10.0	9.0
		Coupe	4	1H27	3000	-	9.9
		Station Wagon	4	1H15	3000	12.6	11.6
	Note: 3500 lb Inertia Weight for Monza with V6 or V8 engine						
	Nova				3500	12.2	11.6
	Camaro				4000	11.4	10.2
	Corvette				4000	-	8.8
	Malibu	Sedans and Coupes	All		3500	-	11.3
		Station Wagon	6		3500	-	12.5
		Station Wagon	8		4000	-	12.5
	Monte Carlo				3500	-	12.4
	Impala or Caprice	Sedans and Coupes			4000	-	13.3
		Station Wagons			4500	-	13.3
	El Camino	P/U			4000		12.5
PONTIAC	Sunbird	Hatchback	4	2M07	3000	10.1	9.1
		Coupe	4	2_27	3000	11.4	9.9
		Station Wagon	4	2M15	3000	12.6	10.6
	Note: 3500 lb Inertia Weight for Sunbird with V6 or V8 engine						
	Phoenix		6		3500	13.6	11.6
			8		4000	13.8	11.6
	Firebird	All but Trans-Am			4000	-	9.7
		Trans-Am			4000	-	10.4
	Lemans or Grand Am	Sedans and Coupes			3500	-	11.3
		Station Wagons			4000	-	13.0
	Grand Prix				3500	-	12.0
	Catalina or Bonneville	Sedans and Coupes			4000	-	13.3
		Station Wagons			4500	-	13.3

Dynamometer Settings for 1979 GM cars

1979

Make	Nameplate	Model	Engine	VIN Code (1st 4 digits)	Inertia Weight	Horsepower Bias	Horsepower Radial
OLDSMOBILE	Starfire		4		3000	10.1	9.1
			6 or 8		3500	10.3	9.1
	Omega				3500	13.8	11.6
	Cutlass	Coupes and Sedans except Supreme			3500	-	11.3
		Supreme			3500	-	12.2
		Station Wagon	6		3500	-	12.5
		Station Wagon	8		4000	-	12.5
	Delta 88				4000	-	13.3
	Custom Cruiser				4500	-	13.3
	Ninety Eight				4500	-	12.8
	Toronado		gas		4000	-	10.6
			diesel		4500	-	10.6
BUICK	Skyhawk				3000	10.0	9.0
	Skylark		6		3500	13.9	11.6
			8		4000	14.0	11.6
	Century	Sedans and Coupes	All		3500	-	11.3
		Station Wagons	6		3500	-	12.5
		Station Wagons	8		4000	-	12.5
	Regal				3500	-	12.2
	LeSabre				4000	-	13.3
	Estate Wagon				4500	-	13.3
	Electra				4500	-	12.8
	Riviera				4000	-	10.6
CADILLAC	Deville or Brougham				4500	-	12.2
	Seville				4500	-	12.5
	Eldorado		gas		4000	-	10.6
			diesel		4500	-	10.6
	Limousine				5500	-	14.5

Emission Factor Testing Program
Dynamometer Settings for DODGE Trucks
1979 Model Year

Nameplate	Model	A/C	Engine	Inertia Weight	Actual Horsepower	Fuel Tank Capacity
Dodge	D-100			4000	15.5	
	D-150			4000	18.5	
	D-200			4500	18.5	
	Ramcharger			4500	18.0	
	B-200			4500	18.5	
	B-300			4500	18.5	

Emission Factor Testing Program
Dynamometer Settings for Chevrolet Trucks
1979 Model Year

Nameplate	Model	Engine	Inertia Weight	AHP A/C Equipped	AHP No A/C	Fuel Tank Capacity
C-10	Pickup	All	4500	21.0	19.5	
C-20	Pickup	All	5000	21.5	20.0	
K-10	Pickup (4x4)	All	5000	22.0	20.5	
K-20	Pickup (4x4)	All	5000	21.5	20.5	
C-10	Blazer	All	4500	21.0	19.5	
K-10	Blazer (4x4)	All	5000	22.0	20.5	
Suburban	C-10	All	4500	21.0	19.5	
	C-20	All	5000	21.5	20.0	
	K-10 (4x4)	All	5000	22.0	20.5	
	K-20 (4x4)	All	5000	22.0	20.5	
Van & Sportvan	G-10	All	5000	21.0	19.5	
	G-20	All	5000	21.0	20.0	

Appendix B

Engine Family Decoders

1981 AMC

B AM 258 V 2 HP7

Model Yr	Mfr	CID	Veh Type	Carb		Cat	Air
		151	V auto	All 2V	AA3	OX	No
		258	T truck		AB2, AD4, AH8, AW6, AA2, AB3, ADF, AH9, AA7 AH3, BA2, BB3 BC4, BI2	OX	Yes
		304			FC4, FC1	3W	No
		360			HPX, HB2, HC3, HE5, HL3, HM4, HP7, HR9, HT3, HU4	3W	Yes

1980 AMC

B P -2H1

CID	Veh Type		Cat	Air	
B 151	P- car	9A1	OX	No	All 2V
C 258	T- truck	2H1, 4G1, 3A1, 3H1, 4W1, 3V1	OX	Yes	
H 304		6C1	3W	No	
N 360		5N1, 8R1	3W	Yes	
		5F1, 5S1, 8D1	OX+3W	Yes	

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1981 Chrysler Engine Family Identification

B CR 2.6 V 2 BA 2

- B — Mfr: B=81
- CR — Mfr: CR=CHRY
- 2.6 — Eng. Disp (liters)
- V — Veh Type: V=LDV, T=LDT
- 2 — Carb/Fuel
- BA — Catalyst Code
- 2 — (Code for Mfr Use Only)

Engine Size/Type*	Catalyst Code
1.7L (105)	HN, HP] 3W
	HA, HB, HC, HD, HH, HJ, HK, HL, HM] OX+3W
2.2 L (135)	(ALL)] OX+3W
2.6L (156)	BA, BB, BC, BE, BF, BG, BH, BJ, BL] OX
	BD] OX+3W
3.7L (225)	HN, HP, HR, HS] 3W
	HA, HB, HC, HD, HE, HF, HG, HH, HJ, HK, HL, HM] OX+3W
5.2 L #BBLS=2V (318)	HL, HJ, HM] OX+3W
	ALL OTHERS] 3W
5.2 L #BBLS=4V (318)	(ALL)] 3W
5.2 L EFM (318)	FA, FC] 3W
	FB, FD] OX+3W

*Numbers in Parentheses Indicate CID

1980 Chyrsler Engine Family Identification

OFA - 225 - 1 - BC P

- OFA: Primary Sales Area (All Ld's)
  - F = 49 State
  - C = California
  - A = 50 State
- 225: CID
- 1: Carb/Fuel
- BC: Catalyst Code
  - AA, AB, AC, AD, AE, AF, AG, AH, AJ, AK, AX, AY, BB, BC, BD, BE, BF, BG, BP, BT, BU, BV, BW, BX, BY, CB, CE, CG, CJ, CK, CP, CR, CS, CT, CU, CV, CW, CZ, DA — OX
  - AL, AM, AD, AR, AS, AT, AU, AV, BH, BJ, BM, BS, CH — 3W
  - AP, BA, BK, BL, BO, BR, BZ, CA, CC, CD, CF, CL, CM, CN — OX+3W
- P: Optional Suffix

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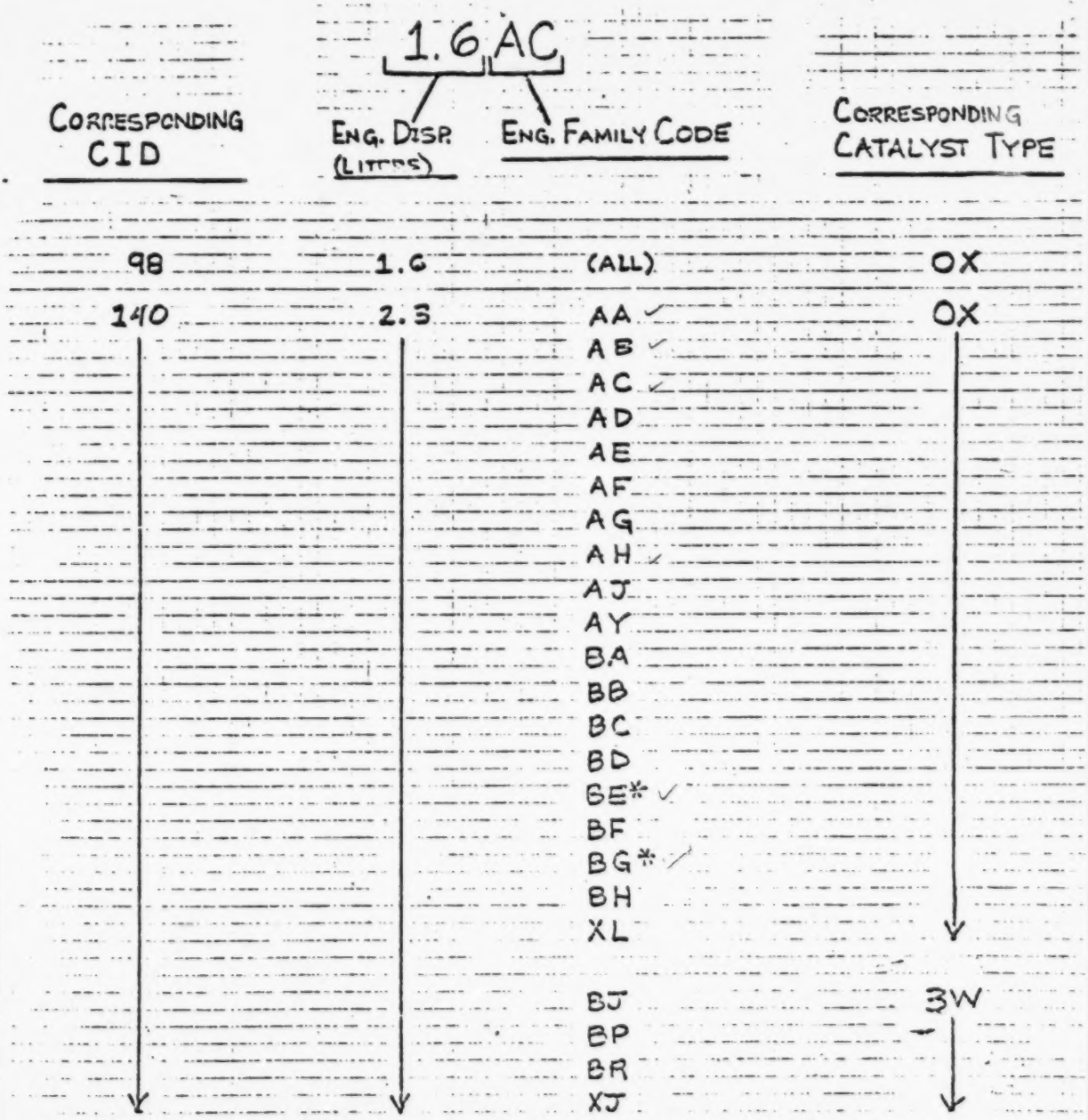
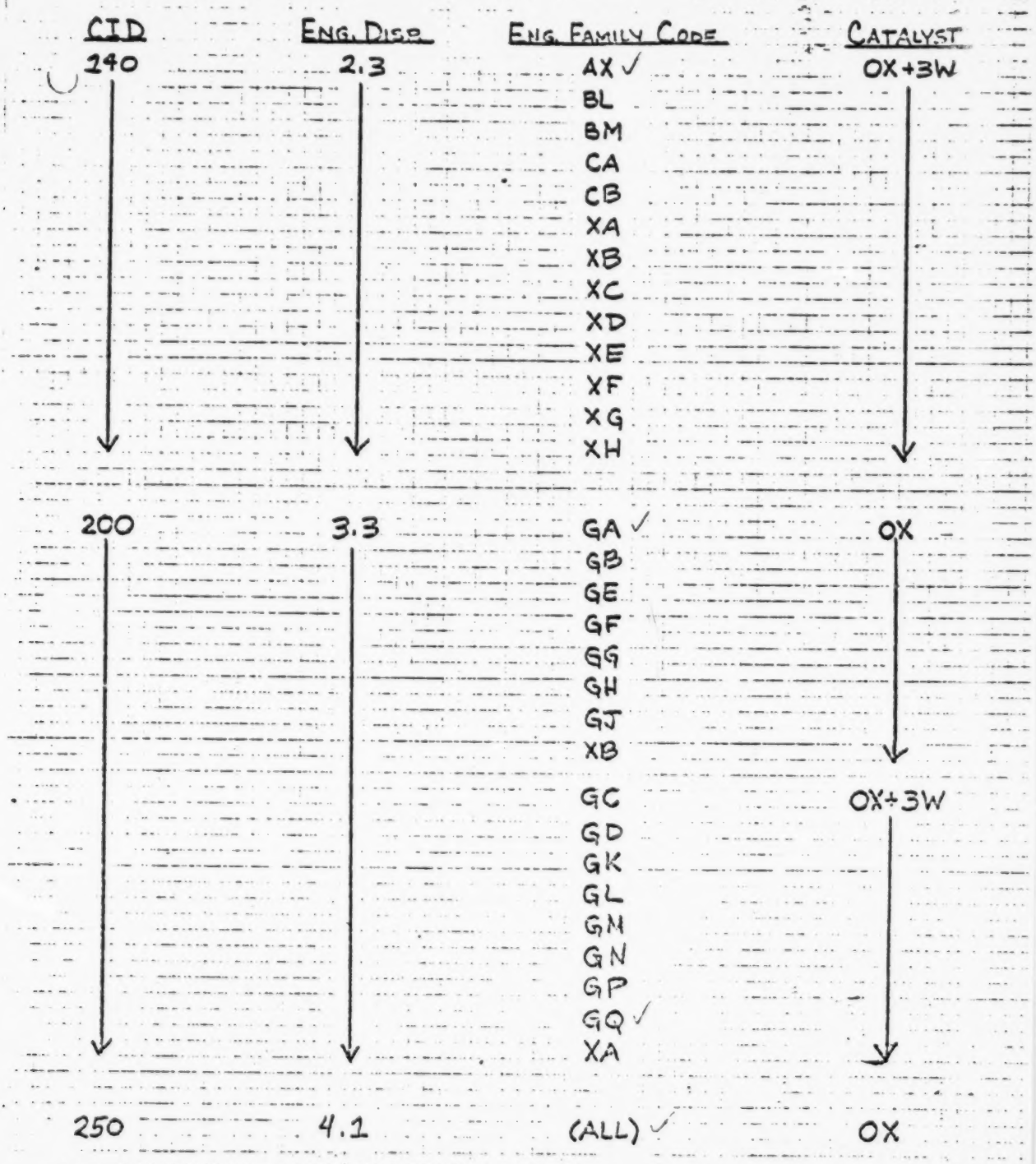
1981 Ford Engine Family Identification

LDT	Certified Engine Families (all have air injection)		Corresponding CID	Corresponding Catalyst
	5.8WAXC	closed loop	351	OX + 3W
	3.3GQ	open loop	200	
	5.0CCF	closed loop	302	
	1.6AP	open loop	98	
	5.0CCC	closed loop	302	
	4.2/5.0AAC	closed loop	255/302	
	2.3AX	closed loop	140	
	4.2/5.0MAF	open loop	255/302	
	4.2/5.0GCF	closed loop	255/302	
	5.8WBPF	closed loop	351	
	1.6APC	open loop	98	
	4.2/5.0GCC	closed loop	255/302	
	2.3AHF	open loop	140	
LDT	4.9NR		300	OX
	5.8M/6.6NA		351/400	
	5.8WNQ		351	
	4.9NK	closed loop	300	OX + 3W
	4.2/5.0NA		255/302	OX
	4.2/5.0NP	closed loop	255/302	OX + 3W
	5.8WNG	closed loop	351	

1980 FORD ENGINE FAMILY IDENTIFICATION



* Note: Code may have an 'F' or 'C' at the end.



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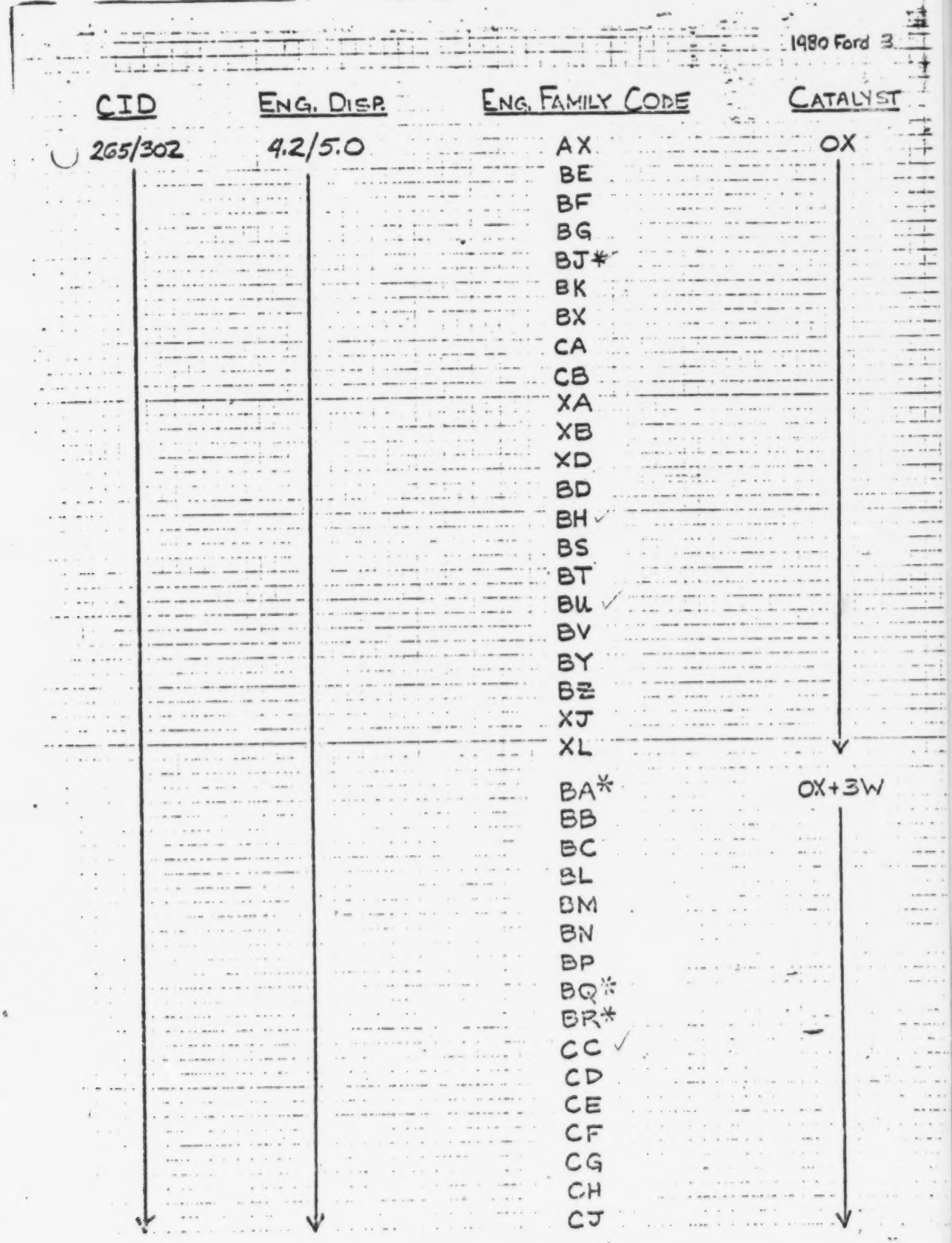
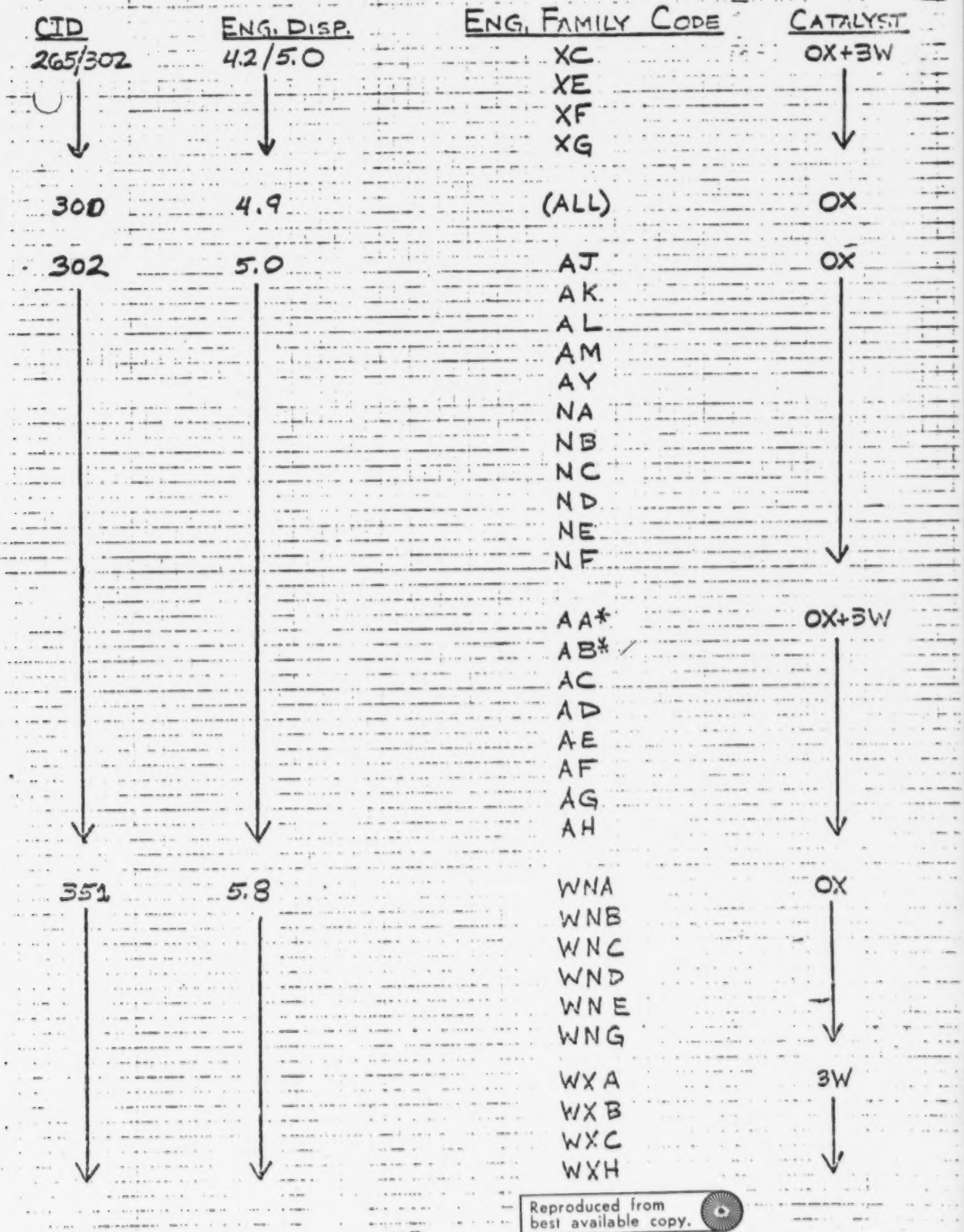

CID
ENG. DISP.
ENG. FAMILY CODE
CATALYST
265/302
4.2/5.0
AX
BE
BF
BG
BJ*
BK
BX
CA
CB
XA
XB
XD
BD
BH ✓
BS
BT
BU ✓
BV
BY
BZ
XJ
XL
OX
BA*
BB
BC
BL
BM
BN
BP
BQ*
BR*
CC ✓
CD
CE
CF
CG
CH
CJ
OX+3W



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1980 Ford

CID	ENG. DISP.	ENG. FAMILY CODE	CATALYST
351	5.8	WAX* ✓	OX + 3W
		WXD	
		WXE	
		WXF	
		WXG	
↓	↓		↓
351/403	5.8/6.6	(ALL)	OX

ENGINE FAMILY IDENTIFICATION:

1981 GM

1 1 Y 4 N N A

YEAR

DIVISION
1-6 Cars
8-9 Trucks

ENGINE DISPLACEMENT

C	173	L	305
D	267	S	301
E	229, 231	T	368
F	252, 250	W	98
H	265, 260	X	151
J	350	Y	307

FUEL/CARB
1,2,4 = # of barrels
5,9 = FI

CATALYST

AB, AC, AD, AE, AR NB, NC, ND, NE, NF, NN	OX+3W
HA, HC, HD, HF, HG, HH, HI, HJ, HR	OX
TA, TL, TM, TN, TP XA, XB	3W
ZZ	NONE

(All OX+3W have air inj)

OPTIONAL SUFFIX

1980 GM

0 1 Y 2 B A

YEAR

DIVISION
1-6 Cars
8-9 Trucks

ENGINE DISPLACEMENT

A	200	K	350, 400
B	196, 231	L	305, 307/350
C	173	R	454/455
D	267	S	301
E	229, 231	T	368
F	252, 250	W	98
G	267, 305	X	151
H	265, 260	Y	305
J	350		

FUEL/CARB
1,2,4 = # of barrels
0,5,9 = FI

CATALYST

A, B, C, D, E, F, G, H, I, J V, W	OX
K, L, M, N, O, P, U, X, Y	3W
Q, R, S, T, NN AB, AC, AD, AE	OX+3W

7 = Last two letters of the family name specify catalyst designator.

Z = No Catalyst

OPTIONAL SUFFIX

Engine Family Codes
Selected Foreign Mfrs - 1981 Model Year

HONDA

B HN 1.3 V 3 AA5

- B = Model Year
- HN = Mfg
- 1.3 = Engine: 1.3L 81CID; 1.5L 91CID; 1.8L 107CID
- V = Auto, T = Truck
- 3 = Carb BBLS: All 3V
- AA5 = Cat / Air

	Cat	Air
AE1, AF2	OX	N
AA5, AB6, AC6, AD7	OX	N

NISSAN

B NS 1.2 V 2 AB2

- 1.2 = Engine: 1.2L 75; 1.5L 85, 91; 2.0L 119; 2.2L 133; 2.8L 157, 168
- V = Carb Bbls: 2 = 2V; 5 = FI; 6 = Diesel
- AB2 = Cat / Air

	Cat	Air
AB2, AC3, AB6, AC7	OX	Y
ABX, ACϕ, AB1, AC2	OX	Y
FB7, FC8, FB3, FC4	3W	N
FD5, FE6	3W	N
JB9, JCX, JB3, JC4	None	N

MITSUBISHI

B MT 1.4 V 2 BB2

- 1.4 = Engine: 1.4L 86; 1.6L 98; 2.0L 122; 2.6L 156
- V = Carb Bbls: All 2V
- BB2 = Cat / Air

	Cat	Air
AF2, AF5, BB2, BC3	OX	Y
BF6, BB1, BC2, BF5	OX	Y
BC4, BC1, BC9, BF1	OX	Y
GE5	3W	Y

TOYO KOGYO

B TK 1.1 V 4 GA7

Engine

1.1L	70
1.5L	91
2.0L	120
2.3L	140

Carb Bbls

4V, 2V

	Cat	Air
GA7, GH3, GC1, GD6	3W	Y
GB0	3W+OX	Y
AE9, AG0, AF3	OX	Y

TOYOTA

B TY 1.3 V 2 AC5

Engine

1.3L	79
1.5L	89
1.8L	108
2.2L	134
2.8L	168
4.2L	258
2.4L	144

Carb Bbls

2V = 2
FI, Diesel = 6
FI = 5

	Cat	Air
AC5, AF8, AF7, AF1, AB1	OX	Y
EC1, FC7, HF3, EM7, EC3, EF6, HB4	3W	Y*
JFX	None	N

* HB4 does not have air inj

VOLKSWAGEN

B VW 1.6 D 6 JC8**

Engine

1.6L	96
1.7L	105
2.0L	120

Carb Bbls

6 = Diesel
5 = Fuel Inj.

V = Auto
T = Truck
D = Diesel A
K = Diesel T

	Cat	Air
JC8, JF0, JC0, JF3	None	No
AA737PF, AF3	Ox	No
FA6.37P, FC8, FC837C, FF537F, FA8	3W	No

** Sometimes longer than 3 characters

SELECTED 198Φ FORECGN MFG - ENGINE FAMILY IDENTIFICATIC

	CATALYST	CARB	CID	AIR INJ
HONDA				
A8ΦA	NONE	3V	81	No
A8ΦB	OX	3V	91	No
A8ΦC	OX	3V	91	No
A8ΦD	NONE	3V	107	No
A8ΦE	OX	3V	107	No
NISSAN*				
A12F or A12C	OX	2V	75	Yes
A14/15F or A14/15C	OX	2V	85 or 91	Yes
L24/28F or L24/28C	OX-Fed, 3W-CA	FI	146 or 168	Yes-Fed, No-CA
Z2ΦEF or Z2ΦEC	OX	FI	119	Yes
Z2ΦSF or Z2ΦSC	OX	2V	119	Yes
MITSUBISHI*				
G1-C or G1-F	OX	2V	86	Yes
G3-C or G3-F	OX	2V	98	Yes
G5-C or G5-F	OX	2V	136	Yes
TOYO KOGYO				
ΦMAP	3W	2V	12Φ	Yes
ΦREP	None	4V	7Φ	Yes
ΦUCP	3W	2V	86	Yes

* Last letter F = Federal vehicle, C = California vehicle

TOYOTA *	CATALYST	CARB	CID	AIR INJ
1A or 1A(C)	ox	2V	89	Yes
2ØR or 2ØR(C)	ox	2V	134	Yes
3T(F) or 3T(C)	ox	2V	1Ø8	Yes
4ME	3W	FI	156	No

VOLKSWAGEN *				
DASHER CL	3W	FI	97	No
DASHER F	ox	FI	97	No
37 CL	3W	FI	97	No
37 F	ox	FI	97	No
47	ox	FI	89	Yes

VOLVO *				
4C	3W	FI	13Ø	No
6C	3W	FI	174	No
6F	3W	FI	174	No

* C = California, F = Federal